

SEQUENCE LISTING

<110> MEYERS, Gregor

<120> Attenuated Pestiviruses

<130> 0652.1900000

<140> U.S. 09/325,542

<141> 1999-06-04

<150> U.S. 60/092,027

<151> 1998-07-07

<160> 34

<170> PatentIn Ver. 2.1

<210> 1

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 1

aggagcttac ttgggatctg

20

<210> 2

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 2

ggaacaaact tggatggtgt

20

<210> 3

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 3

acaggagctt aaaagggatc tggc

24

<210> 4

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 4
atggaacaaa aagggatggt gtaa

24

<210> 5
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 5
gaatggaaca aaggatggtg taac

24

<210> 6
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 6
catgaatgga acaaagggtg gtgcaactgg

30

<210> 7
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 7
Ser Leu His Gly Ile Trp Pro Glu Lys Ile Cys
1 5 10

<210> 8
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 8
Arg His Glu Trp Asn Lys His Gly Trp Cys Asn Trp
1 5 10

<210> 9
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 9

Ser Leu Leu Gly Ile Trp Pro Glu Lys Ile Cys
1 5 10

<210> 10

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 10

Arg His Glu Trp Asn Lys Leu Gly Trp Cys Asn Trp
1 5 10

<210> 11

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 11

Ser Leu Lys Gly Ile Trp Pro Glu Lys Ile Cys
1 5 10

<210> 12

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 12

Arg His Glu Trp Asn Lys Lys Gly Trp Cys Asn Trp
1 5 10

<210> 13

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<221> UNSURE

<222> (3)

<220>

<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 13

Ser Leu Xaa Gly Ile Trp Pro Glu Lys Ile Cys
1 5 10

<210> 14

<211> 12

<212> PRT

<213> Artificial Sequence

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<221> UNSURE

<222> (7)

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<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 14

Arg His Glu Trp Asn Lys Xaa Gly Trp Cys Asn Trp
1 5 10

<210> 15

<211> 11

<212> PRT

<213> Artificial Sequence

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<221> UNSURE

<222> (2)..(4)

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<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 15

Ser Xaa Xaa Xaa Ile Trp Pro Glu Lys Ile Cys
1 5 10

<210> 16

<211> 12

<212> PRT

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<222> (6)..(8)

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<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 16

Arg His Glu Trp Asn Xaa Xaa Xaa Trp Cys Asn Trp
1 5 10

<210> 17
<211> 12
<212> PRT
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<222> (6)..(7)

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 17
Arg His Glu Trp Asn Xaa Xaa Gly Trp Cys Asn Trp
1 5 10

<210> 18
<211> 12
<212> PRT
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 18
Arg His Glu Trp Asn Lys Xaa Xaa Trp Cys Asn Trp
1 5 10

<210> 19
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<220>
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<222> (3)

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Introduced Sequence in
RNase motif

<400> 19
Arg His Xaa Trp Asn Lys His Gly Trp Cys Asn Trp
1 5 10

<210> 20
<211> 12

<212> PRT
<213> Artificial Sequence

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RNase motif

<400> 20
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<210> 21
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<212> PRT
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<222> (7)

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 21
Ser Leu His Gly Ile Trp Xaa Glu Lys Ile Cys
1 5 10

<210> 22
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 22
Gly Leu His Gly Ile Trp Pro Glu Lys Ile Cys
1 5 10

<210> 23
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in

RNase motif

<400> 23
Ser Leu His Gly Ile Gly Pro Glu Lys Ile Cys
1 5 10

<210> 24
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 24
Ser Leu His Gly Ile Trp Pro Ala Lys Ile Cys
1 5 10

<210> 25
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 25
Ser Leu His Gly Ile Trp Pro Glu Lys Ile Gly
1 5 10

<210> 26
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 26
Ser Leu His Gly Ile Gly Pro Ala Lys Ile Cys
1 5 10

<210> 27
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 27

Gly His Glu Trp Asn Lys His Gly Trp Cys Asn Trp
1 5 10

<210> 28
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 28
Arg His Glu Gly Asn Lys His Gly Trp Cys Asn Trp
1 5 10

<210> 29
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Introduced Sequence in
RNase motif

<400> 29
Arg His Glu Trp Asn Ala His Gly Trp Cys Asn Trp
1 5 10

<210> 30
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 30
tggaacaaag gatggtgt

18

<210> 31
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Primer

<400> 31
tggaacaaac atggatgg

18

<210> 32
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Primer

<400> 32
gaatggaaca aacatgga

18

<210> 33
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 33
ggaattctca ggcataaggca ccaaaccagg

30

<210> 34
<211> 495
<212> PRT
<213> Classical swine fever virus (CSFV)

<400> 34
Met Glu Leu Asn His Phe Glu Leu Leu Tyr Lys Thr Ser Lys Gln Lys
1 5 10 15
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20 25 30
Phe Gly Asn Pro Ser Glu Val His Pro Gln Ser Thr Leu Lys Leu Pro
35 40 45
His Asp Arg Gly Arg Gly Asp Ile Arg Thr Thr Leu Arg Asp Leu Pro
50 55 60
Arg Lys Gly Asp Cys Arg Ser Gly Asn His Leu Gly Pro Val Ser Gly
65 70 75 80
Ile Tyr Ile Lys Pro Gly Pro Val Tyr Tyr Gln Asp Tyr Thr Gly Pro
85 90 95
Val Tyr His Arg Ala Pro Leu Glu Phe Phe Asp Glu Ala Gln Phe Cys
100 105 110
Glu Val Thr Lys Arg Ile Gly Arg Val Thr Gly Ser Asp Gly Lys Leu
115 120 125
Tyr His Ile Tyr Val Cys Val Asp Gly Cys Ile Leu Leu Lys Leu Ala
130 135 140
Lys Arg Gly Thr Pro Arg Thr Leu Lys Trp Ile Arg Asn Phe Thr Asn
145 150 155 160
Cys Pro Leu Trp Val Thr Ser Cys Ser Asp Asp Gly Ala Ser Gly Ser
165 170 175
Lys Asp Lys Lys Pro Asp Arg Met Asn Lys Gly Lys Leu Lys Ile Ala
180 185 190
Pro Arg Glu His Glu Lys Asp Ser Lys Thr Lys Pro Pro Asp Ala Thr

195					200					205					
Ile	Val	Val	Glu	Gly	Val	Lys	Tyr	Gln	Ile	Lys	Lys	Lys	Gly	Lys	Val
210						215					220				
Lys	Gly	Lys	Asn	Thr	Gln	Asp	Gly	Leu	Tyr	His	Asn	Lys	Asn	Lys	Pro
225					230					235					240
Pro	Glu	Ser	Arg	Lys	Lys	Leu	Glu	Lys	Ala	Leu	Leu	Ala	Trp	Ala	Val
				245					250					255	
Ile	Thr	Ile	Leu	Leu	Tyr	Gln	Pro	Val	Ala	Ala	Glu	Asn	Ile	Thr	Gln
			260					265					270		
Trp	Asn	Leu	Ser	Asp	Asn	Gly	Thr	Asn	Gly	Ile	Gln	Arg	Ala	Met	Tyr
		275					280					285			
Leu	Arg	Gly	Val	Asn	Arg	Ser	Leu	His	Gly	Ile	Trp	Pro	Glu	Lys	Ile
	290					295					300				
Cys	Lys	Gly	Val	Pro	Thr	His	Leu	Ala	Thr	Asp	Thr	Glu	Leu	Lys	Glu
305					310					315					320
Ile	Arg	Gly	Met	Met	Asp	Ala	Ser	Glu	Arg	Thr	Asn	Tyr	Thr	Cys	Cys
				325					330					335	
Arg	Leu	Gln	Arg	His	Glu	Trp	Asn	Lys	His	Gly	Trp	Cys	Asn	Trp	Tyr
			340					345					350		
Asn	Ile	Asp	Pro	Trp	Ile	Gln	Leu	Met	Asn	Arg	Thr	Gln	Thr	Asn	Leu
		355					360					365			
Thr	Glu	Gly	Pro	Pro	Asp	Lys	Glu	Cys	Ala	Val	Thr	Cys	Arg	Tyr	Asp
	370					375					380				
Lys	Asn	Thr	Asp	Val	Asn	Val	Val	Thr	Gln	Ala	Arg	Asn	Arg	Pro	Thr
385					390					395					400
Thr	Leu	Thr	Gly	Cys	Lys	Lys	Gly	Lys	Asn	Phe	Ser	Phe	Ala	Gly	Thr
				405					410					415	
Val	Ile	Glu	Gly	Pro	Cys	Asn	Phe	Asn	Val	Ser	Val	Glu	Asp	Ile	Leu
			420					425					430		
Tyr	Gly	Asp	His	Glu	Cys	Gly	Ser	Leu	Leu	Gln	Asp	Thr	Ala	Leu	Tyr
		435					440					445			
Leu	Leu	Asp	Gly	Met	Thr	Asn	Thr	Ile	Glu	Asn	Ala	Arg	Gln	Gly	Ala
	450					455					460				
Ala	Arg	Val	Thr	Ser	Trp	Leu	Gly	Arg	Gln	Leu	Ser	Thr	Ala	Gly	Lys
465					470					475					480
Lys	Leu	Glu	Arg	Arg	Ser	Lys	Thr	Trp	Phe	Gly	Ala	Tyr	Ala	Leu	
				485					490					495	